

## INTERNATIONAL SEARCH REPORT

In tional Application No  
PCT/IB2004/052261

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04N5/445

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10, 31 October 1997 (1997-10-31) & JP 9 163260 A (SONY CORP), 20 June 1997 (1997-06-20)	1-3, 6-9
Y	paragraph '0100! - paragraph '0104!; figures 1,7a,7b	4,5
X	EP 1 282 307 A (TOKYO SHIBAURA ELECTRIC CO) 5 February 2003 (2003-02-05) paragraph '0036!; figures 4,6	1,7-9
Y	US 5 543 850 A (PRATT KYLE A ET AL) 6 August 1996 (1996-08-06) column 2	4,5
	----- -/-- -----	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

22 December 2004

Date of mailing of the international search report

04/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Bardella, X

## INTERNATIONAL SEARCH REPORT

Int onal Application No

PCT/IB2004/052261

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 11, 5 November 2003 (2003-11-05) & JP 2003 198979 A (SHARP CORP), 11 July 2003 (2003-07-11) abstract -----	1-9
A	WO 00/64149 A (ONNARA ELECTRONICS CORP ; KIM JEOUNGSUP (KR); YOO JAE CHERN (KR)) 26 October 2000 (2000-10-26) the whole document -----	1-9
A	US 2003/021342 A1 (PENZ BERNHARD HUBERT ET AL) 30 January 2003 (2003-01-30) the whole document -----	4,5
A	US 2002/067433 A1 (YUI HIDEAKI ET AL) 6 June 2002 (2002-06-06) the whole document -----	1-9
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 06, 4 June 2002 (2002-06-04) & JP 2002 044590 A (ALPINE ELECTRONICS INC), 8 February 2002 (2002-02-08) cited in the application the whole document -----	1-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052261

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 9163260	A	20-06-1997	NONE	
EP 1282307	A	05-02-2003	JP 2003037792 A EP 1282307 A2 US 2003020834 A1	07-02-2003 05-02-2003 30-01-2003
US 5543850	A	06-08-1996	NONE	
JP 2003198979	A	11-07-2003	NONE	
WO 0064149	A	26-10-2000	KR 2000037012 A AU 4148100 A WO 0064149 A1	05-07-2000 02-11-2000 26-10-2000
US 2003021342	A1	30-01-2003	CN 1462546 T EP 1393553 A1 WO 02093910 A1 JP 2004529578 T	17-12-2003 03-03-2004 21-11-2002 24-09-2004
US 2002067433	A1	06-06-2002	JP 2002171457 A	14-06-2002
JP 2002044590	A	08-02-2002	NONE	